

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



CITY OF PORTLAND BUILDING PERMIT

This is to certify that THANH NGUYEN

Located At 33 GRANT ST

Job ID: 2012-02-3383-HVAC

CBL: 036-D-011-001

has permission to Install a Quiet Side Boiler with direct vent in the basement provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statues of Maine and of the Ordinances of the City of Portland regulating the construction, maintenance and use of the buildings and structures, and of the application on file in the department.

Notification of inspection and written permission procured before this building or part thereof is lathed or otherwise closed-in. 48 HOUR NOTICE IS REQUIRED.

A final inspection must be completed by owner before this building or part thereof is occupied. If a certificate of occupancy is required, it must be

Fire Prevention Officer

 3/9/12
Code Enforcement Officer / Plan Reviewer

THIS CARD MUST BE POSTED ON THE STREET SIDE OF THE PROPERTY
PENALTY FOR REMOVING THIS CARD

City of Portland, Maine - Building or Use Permit Application

389 Congress Street, 04101 Tel: (207) 874-8703, FAX: (207) 8716

Job No: 2012-02-3383-HVAC	Date Applied: 2/24/2012	CBL: 036-D-011-001	
Location of Construction: 33 GRANT ST	Owner Name: THANH NGUYEN	Owner Address: 188 LANE AVE PORTLAND, ME 04103	Phone:
Business Name:	Contractor Name: Charles Holmes	Contractor Address: 3 DepotSst, Apt 204 Windham ME 04062	Phone: (207) 210-9007
Lessee/Buyer's Name:	Phone:	Permit Type: HVAC - HVAC	Zone: R-6
Past Use: Three family	Proposed Use: Same - Three family - install boiler in basement	Cost of Work: 20000.00	CEO District:
		Fire Dept: <input checked="" type="checkbox"/> Approved w/conditions <input type="checkbox"/> Denied <input type="checkbox"/> N/A	Inspection: Use Group: R-2 Type: HVAC ASHRAE 90.1 Signature: <i>[Signature]</i>
Proposed Project Description: Install a Quiet Side Boiler		Pedestrian Activities District (P.A.D.)	
Permit Taken By: ldobson	Zoning Approval		

<p>1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.</p> <p>2. Building Permits do not include plumbing, septic or electrical work.</p> <p>3. Building permits are void if work is not started within six (6) months of the date of issuance. False informatin may invalidate a building permit and stop all work.</p>	<p>Special Zone or Reviews</p> <p><input type="checkbox"/> Shoreland</p> <p><input type="checkbox"/> Wetlands</p> <p><input type="checkbox"/> Flood Zone</p> <p><input type="checkbox"/> Subdivision</p> <p><input type="checkbox"/> Site Plan</p> <p><input type="checkbox"/> Maj <input type="checkbox"/> Min <input type="checkbox"/> MM</p> <p>Date: <i>OK w/condition</i> <i>2/28/12</i> <i>ARM</i></p>	<p>Zoning Appeal</p> <p><input type="checkbox"/> Variance</p> <p><input type="checkbox"/> Miscellaneous</p> <p><input type="checkbox"/> Conditional Use</p> <p><input type="checkbox"/> Interpretation</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Denied</p> <p>Date:</p>	<p>Historic Preservation</p> <p><input checked="" type="checkbox"/> Not in Dist or Landmark</p> <p><input type="checkbox"/> Does not Require Review</p> <p><input type="checkbox"/> Requires Review</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Approved w/Conditions</p> <p><input type="checkbox"/> Denied</p> <p>Date: <i>ARM</i></p>
	CERTIFICATION		

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

SIGNATURE OF APPLICANT	ADDRESS	DATE	PHONE
RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE		DATE	PHONE

BUILDING PERMIT INSPECTION PROCEDURES

Please call 874-8703 or 874-8693 (ONLY)

or email: buildinginspections@portlandmaine.gov

With the issuance of this permit, the owner, builder or their designee is required to provide adequate notice to the city of Portland Inspections Services for the following inspections. Appointments must be requested 48 to 72 hours in advance of the required inspection. The inspection date will need to be confirmed by this office.

- **Please read the conditions of approval that is attached to this permit!! Contact this office if you have any questions.**
- **Permits expire in 6 months. If the project is not started or ceases for 6 months.**
- **If the inspection requirements are not followed as stated below additional fees may be incurred due to the issuance of a "Stop Work Order" and subsequent release to continue.**

Final Inspection at completion of installation

The project cannot move to the next phase prior to the required inspection and approval to continue, REGARDLESS OF THE NOTICE OF CIRCUMSTANCES.

IF THE PERMIT REQUIRES A CERTIFICATE OF OCCUPANCY, IT MUST BE PAID FOR AND ISSUED TO THE OWNER OR DESIGNEE BEFORE THE SPACE MAY BE OCCUPIED.



PORTLAND MAINE

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Acting Director of Planning and Urban Development
Gregory Mitchell

Job ID: 2012-02-3383-HVAC

Located At: 33 GRANT ST

CBL: 036-D-011-001

Conditions of Approval:

Zoning

1. This property shall remain a three family dwelling. Any change of use shall require a separate permit application for review and approval.

Fire

1. Installation shall comply with City Code Chapter 10.
2. Fuel-fired boilers shall be protected in accordance with NFPA 101, *Life Safety Code*.
3. Installation shall comply with NFPA 211, *Standard for Chimneys, Fireplaces, Vents, and Solid Fuel-Burning Appliances*;
4. NFPA 31, *Standard for the Installation of Oil-Burning Equipment*;
5. NFPA 54, *National Fuel Gas Code*;
6. NFPA 91, *Standard for Exhaust Systems for Air Conveying Vapors, Gases, Mists, and Noncombustible Particulate Solids*;
7. NFPA 70, *National Electrical Code*; and the manufacturer's published instructions.

Building

1. Installation shall comply with ASHRAE 62.1 & 90.1, 2007 edition, and the State of Maine gas regulations.
2. A CO detector shall be installed in each area within or giving access to bedrooms. That detection must be powered by the electrical service in the building and battery.
3. This appliance shall be installed, operated and maintained per the manufacturer's specifications and the UL listing.

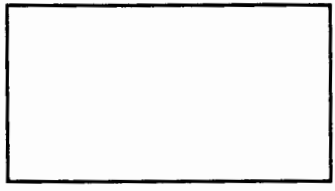
36-D-011
R-6

2012-02-2383

FILL IN AND SIGN WITH INK



APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT



To the INSPECTOR OF BUILDINGS, PORTLAND, ME.

The undersigned hereby applies for a permit to install the following heating, cooking or power equipment in accordance with the Laws of Maine, the Building Code of the City of Portland, and the following specifications:

Location / CBL 33 Grant St Use of Building Dwelling Date 2/24/12
 Name and address of owner of appliance Thanh Nguyen 188 Lane Ave.
Portland Me 04103
 Installer's name and address Charles Holmes 3 Depot St
APT 204 Windham ME 04062 Telephone 207 210 9007

Location of appliance:

- Basement
- Attic
- Floor
- Roof

Type of Fuel:

- Gas
- Oil
- Solid

Appliance Name: Quiet side
 U.L. Approved Yes No

Will appliance be installed in accordance with the manufacture's installation instructions? Yes No

IF NO Explain: _____

The Type of License of Installer:

- Master Plumber # _____
- Solid Fuel # _____
- Oil # MS 30015089
- Gas # PNT 5194
- Other _____

Type of Chimney:

- Masonry Lined
Factory built _____
- Metal
Factory Built U.L. Listing # _____

Direct Vent
Type PVC UL# _____

Type of Fuel Tank

- Oil
- Gas

Size of Tank _____

Number of Tanks _____

Distance from Tank to Center of Flame _____ feet.

Cost of Work: \$ 20,000

Permit Fee: \$ _____

RECEIVED
 FEB 24 2012
 Dept of Buildings
 2012-02-2383

Approved

Fire: _____
 Ele.: _____
 Bldg.: _____

Approved with Conditions

- See attached letter or requirement

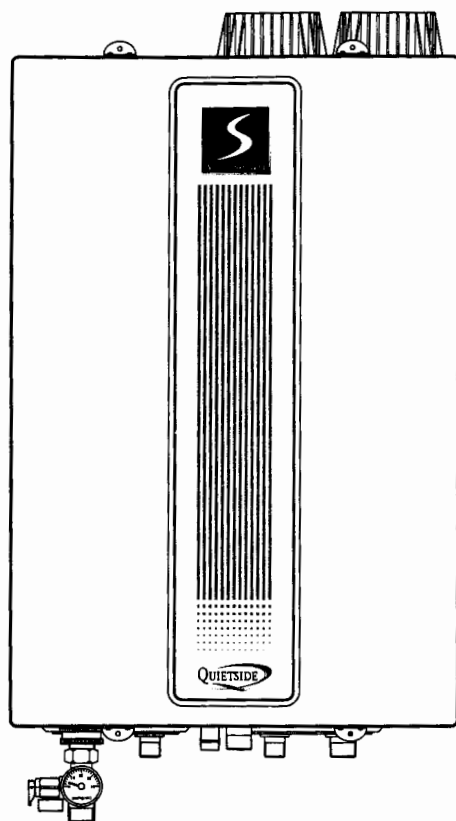
Signature of Installer Charles Holmes Inspector's Signature _____ Date Approved _____

User's Manual

MODEL

DPW-099A

DPW-120A



1. Safety Warnings	2
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3. Proper Operation	
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WARNING

This product must be installed and serviced by a licensed plumber, a licensed gas fitter, or a professional service technician and/or in accordance with all local code. Improper installation and/or operation, or installation by an unqualified person, will void the warranty.

WARNING

Operation of this unit creates carbon monoxide gas and flue gases which can cause serious injury or death. In addition, if the information in this manual is not followed exactly, a fire or explosion may result causing property damage, personal injury or death.

※ This User's Manual can be modified without prior notification for product quality improvement purpose.

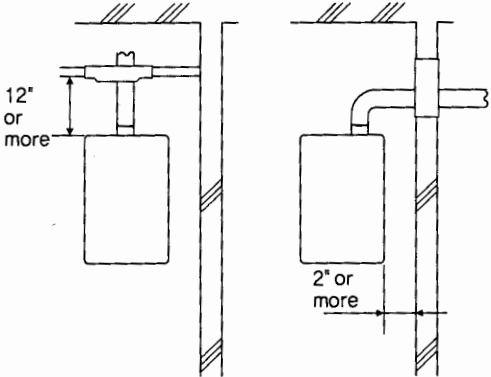
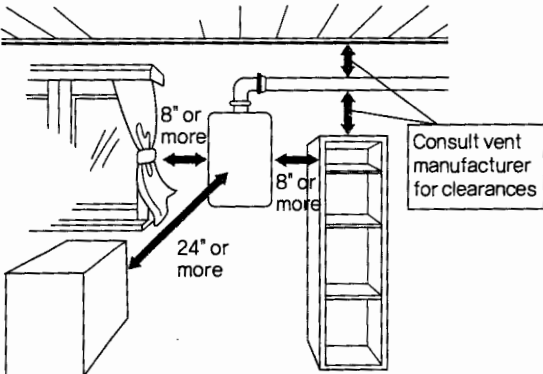
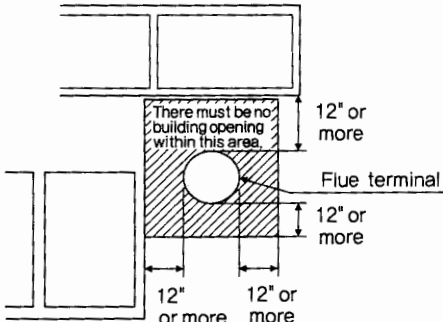
This appliance is certified for use without any limitation of the any altitude installation. However for better combustion, from 2,000ft to 4,500ft installation decrease the manifold pressure 0.3' W.C. for Natural Gas. From 4,500ft to 6,000ft installation decrease the manifold pressure 0.6' W.C from the regular manifold pressure for Natural Gas. For installation above 6,000ft or for specific instructions on how to adjust the manifold pressure, please contact QuietSide technical support.

Please use this product after reading this User's Manual for your safety

Installation Clearance

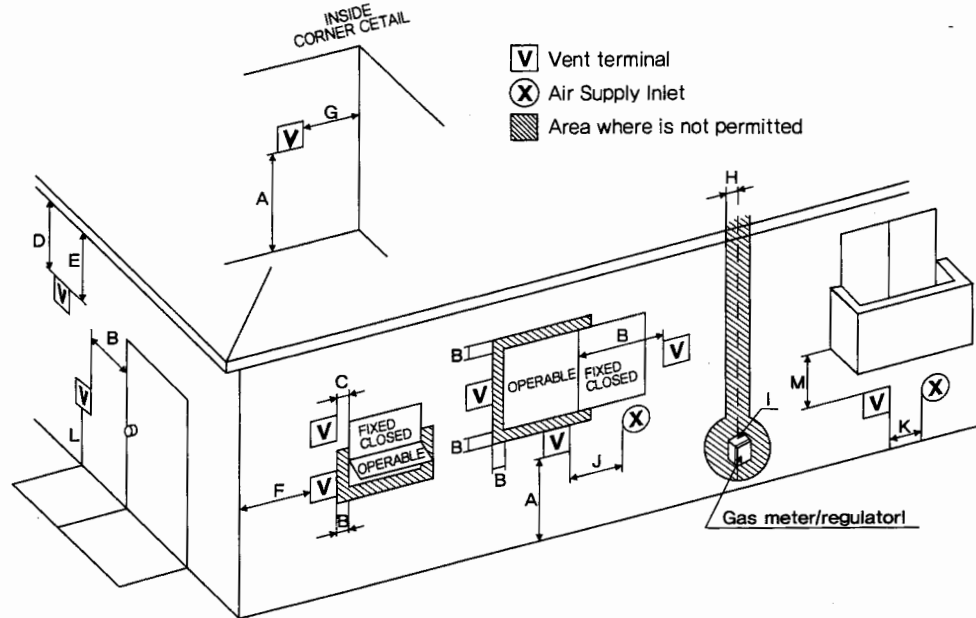
Before Installing, check for the following:

Install in accordance with relevant building and mechanical codes, as well as any local, state or national regulations.

Item	Check	Illustration										
<p>Distance from combustible</p>	<ul style="list-style-type: none"> Maintain the following clearances from both combustible and non-combustible materials. <table border="1" data-bbox="214 747 634 972"> <tr> <td>Piping side (Bottom)</td> <td>Min. 12"</td> </tr> <tr> <td>Front (Maintenance space)</td> <td>Min. 24"</td> </tr> <tr> <td>Back of heater</td> <td>1"</td> </tr> <tr> <td>Sides of heater</td> <td>2"</td> </tr> <tr> <td>Top of heater</td> <td>12"</td> </tr> </table>	Piping side (Bottom)	Min. 12"	Front (Maintenance space)	Min. 24"	Back of heater	1"	Sides of heater	2"	Top of heater	12"	
Piping side (Bottom)	Min. 12"											
Front (Maintenance space)	Min. 24"											
Back of heater	1"											
Sides of heater	2"											
Top of heater	12"											
<p>Securing of space for repair/inspection</p>	<ul style="list-style-type: none"> If possible, leave 8" or more on either side of the unit to facilitate inspection. If possible, leave 24" or more in front of the unit to facilitate maintenance and service if necessary. 											
<p>Outdoor Clearance to Opening into Any Building</p>	<ul style="list-style-type: none"> There must be a clearance of 24" or more in front of the Flue terminal. This restriction will not be applied to an area where an effective shield makes a clearance of 24" or more in front of the exhaust outlet. 											

Clearance Requirements from Vent Terminations to Building Openings

* All Clearance requirements are in accordance with ANSI Z21.10.3 and the National Fuel Code, ANSI Z223.1.



Clearance		
A	Above grade, veranda, porch, deck, or balcony	12" (12")
B	Window or door that may be opened	12" (36")
C	Permanently closed window	*
D	Vertical clearance to ventilated soffit located above the terminal within a horizontal distance of 2 feet from the center of the terminal.	*
E	Unventilated soffit	*
F	Outside corner	*
G	Inside corner	*
H	Each side of center line extended above meter/regulator assembly	3' within a height 15' above meter/regulator assembly
I	Service regulator vent outlet	3'
J	Nonmechanical air supply inlet or combustion air inlet to any other appliance	12" (36")
K	Mechanical air supply inlet	3' above if within 10' (6')
L	Above paved sidewalk or paved driveway located on public property	(7' ***)
M	Under veranda, porch, deck, or balcony	* (12" - Canada Only ****)

() = indicates clearances required in Canada.

* Maintain clearances in accordance with local installation codes and the requirements of the gas supplier

*** A vent shall not terminate directly above a sidewalk or paved driveway that is located between two single family dwellings and serves both dwellings.

**** Permitted only if veranda, porch, deck or balcony is fully open on a minimum of two sides beneath the floor.

Flue plumbing

Warning

- The venting system must be properly installed. Failure to properly install the vent system could result in property damage, personal injury, or death.
- Do not install damaged venting system components. If damage is evident then please contact the supplier where the water heater was purchased or the manufacture listed on the rating plate for replacement parts.
- Use only the vent terminals and vent/air intake components available for venting this appliance.
- Do not connect exhaust vent into an existing vent pipe or chimney.
- All of the exhaust venting connections must be leak checked with a soap solution upon initial start up of the appliance. Any leaks must be repaired before continuing operation of the appliance.
- Do not terminate the venting where noise from the exhaust or intake will be objectionable.
This includes locations close to or cross from windows and doors. Avoid anchoring the vent and intake pipes directly to framed walls, floors, or ceilings unless rubber isolation pipe hangers are used. This prevents any vibrations from being transmitted into the living spaces.
- Do not exceed the venting distances or the number of elbows listed in this manual.
Exceeding the maximum venting distances may cause the appliance to malfunction or cause an unsafe condition.

Caution

- The vent shall terminate a minimum of 12 inches above expected snowfall level to prevent blockage of the vent termination.

VENTING

The venting instructions must be followed to avoid restricted combustion or recirculation of flue gases. Such condition cause sooting or risks of fire and asphyxiation.

For DPW Model, PVC pipes can be used.

DPW Models	Intake	3" Schedule 40 PVC
	Flue Gas	3" Schedule 40 PVC
	Maximum Number of 90 Deg Elbows :	Three

Ty

N

1.

2.

3.

3.



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Receipts Details:

Tender Information: Check , Check Number: 4119
Tender Amount: 220.00

Receipt Header:

Cashier Id: Ldobson
Receipt Date: 2/23/2012
Receipt Number: 41226

Receipt Details:

Referance ID:	5373	Fee Type:	BP-Constr
Receipt Number:	0	Payment Date:	
Transaction Amount:	220.00	Charge Amount:	220.00
Job ID: Job ID: 2012-02-3383-HVAC - Install a Quiet Side Boiler			
Additional Comments: 4119 33 Grant St			

Thank You for your Payment!